

Table 43 (page 1 of 2). Death rates for human immunodeficiency virus (HIV) disease, according to sex, race, Hispanic origin, and age: United States, selected years 1987–99

[Data are based on the National Vital Statistics System]

Sex, race, Hispanic origin, and age	1987	1990	1993	1994	1995	1996	1997	1998	Comparability modified 1998 ¹	1999 ²
Deaths per 100,000 resident population										
All persons										
All ages, age adjusted	5.6	10.2	14.5	16.2	16.3	11.7	6.1	4.9	5.6	5.4
All ages, crude	5.6	10.1	14.5	16.2	16.4	11.7	6.2	5.0	5.7	5.4
Under 1 year	2.3	2.7	2.2	2.5	1.5	1.1	*	*	*	*
1–4 years	0.7	0.8	1.3	1.3	1.3	0.9	0.4	0.2	0.2	0.2
5–14 years	0.1	0.2	0.4	0.5	0.5	0.5	0.3	0.1	0.1	0.2
15–24 years	1.3	1.5	1.7	1.8	1.7	1.1	0.8	0.5	0.6	0.5
25–34 years	11.7	19.7	27.0	29.3	29.1	19.9	10.1	7.5	8.6	7.2
35–44 years	14.0	27.4	39.1	44.1	44.4	31.4	16.1	12.9	14.8	13.9
45–54 years	8.0	15.2	22.6	25.6	26.3	19.3	10.4	9.0	10.3	10.9
55–64 years	3.5	6.2	8.8	10.4	11.0	8.4	4.9	4.3	4.9	4.9
65–74 years	1.3	2.0	2.9	3.1	3.6	2.7	1.8	1.6	1.8	2.2
75–84 years	0.8	0.7	0.8	0.9	0.7	0.8	0.6	0.5	0.6	0.6
85 years and over	*	*	*	*	*	*	*	*	*	*
Male										
All ages, age adjusted	10.4	18.5	25.4	27.8	27.7	19.2	9.7	7.7	8.8	8.4
All ages, crude	10.2	18.5	25.5	28.0	28.0	19.5	9.8	7.8	8.9	8.4
Under 1 year	2.2	2.4	2.1	2.1	1.7	1.1	*	*	*	*
1–4 years	0.7	0.8	1.3	1.2	1.2	0.9	0.3	*	*	*
5–14 years	0.2	0.3	0.4	0.5	0.5	0.5	0.3	0.1	0.1	0.2
15–24 years	2.2	2.2	2.3	2.3	2.1	1.3	0.8	0.5	0.6	0.5
25–34 years	20.7	34.5	46.0	48.5	47.1	31.4	15.1	10.7	12.2	10.2
35–44 years	26.3	50.2	68.5	76.2	75.9	51.8	25.5	20.1	23.0	21.1
45–54 years	15.5	29.1	41.7	46.3	46.9	33.6	17.4	15.2	17.4	17.9
55–64 years	6.8	12.0	16.5	19.1	19.9	14.9	8.5	7.3	8.4	8.5
65–74 years	2.4	3.7	5.4	5.8	6.4	5.1	3.4	2.9	3.3	3.9
75–84 years	1.2	1.1	1.4	1.4	1.3	1.5	1.0	0.9	1.0	1.0
85 years and over	*	*	*	*	*	*	*	*	*	*
Female										
All ages, age adjusted	1.1	2.2	3.9	4.9	5.3	4.3	2.7	2.3	2.6	2.6
All ages, crude	1.1	2.2	3.9	4.9	5.3	4.3	2.7	2.3	2.6	2.6
Under 1 year	2.5	3.0	2.4	2.9	1.2	*	*	*	*	*
1–4 years	0.7	0.8	1.3	1.3	1.5	1.0	0.4	*	*	*
5–14 years	*	0.2	0.4	0.5	0.5	0.4	0.2	0.2	0.2	0.2
15–24 years	0.3	0.7	1.1	1.3	1.4	1.0	0.7	0.6	0.7	0.6
25–34 years	2.8	4.9	8.0	10.1	11.1	8.5	5.1	4.4	5.0	4.3
35–44 years	2.1	5.2	10.2	12.5	13.4	11.3	6.8	5.8	6.6	6.8
45–54 years	0.8	1.9	4.4	5.8	6.7	5.7	3.8	3.1	3.5	4.2
55–64 years	0.5	1.1	1.9	2.6	2.9	2.5	1.6	1.6	1.8	1.6
65–74 years	0.5	0.8	1.0	1.0	1.4	0.8	0.5	0.6	0.7	0.8
75–84 years	0.5	0.4	0.4	0.6	0.3	0.3	0.4	0.3	0.3	0.3
85 years and over	*	*	*	*	*	*	*	*	*	*
All ages, age adjusted										
White male	8.7	15.7	20.0	21.2	20.7	13.2	6.0	4.6	5.3	5.0
Black male	26.2	46.3	74.5	87.2	90.4	71.5	41.7	34.0	38.9	37.1
American Indian or Alaska Native male	*	3.3	8.3	9.5	11.6	7.1	3.8	4.0	4.6	5.0
Asian or Pacific Islander male . . .	2.5	4.3	5.5	7.0	6.3	4.5	1.7	1.4	1.6	1.5
Hispanic male ³	18.8	28.8	35.9	42.4	42.0	28.2	14.2	10.7	12.2	11.5
White, non-Hispanic male ³	10.7	14.1	17.5	18.7	18.0	11.3	4.9	3.8	4.4	4.1
White female	0.6	1.1	1.9	2.3	2.5	1.9	1.0	0.8	0.9	1.0
Black female	4.6	10.1	17.8	22.6	24.7	21.1	13.9	12.2	14.0	13.4
American Indian or Alaska Native female	*	*	*	*	2.7	*	*	*	*	*
Asian or Pacific Islander female . . .	*	*	0.8	0.7	0.7	0.5	*	*	*	*
Hispanic female ³	2.1	3.8	6.8	8.1	9.0	6.5	3.5	2.8	3.2	3.1
White, non-Hispanic female ³	0.5	0.7	1.3	1.6	1.8	1.3	0.7	0.5	0.6	0.7

See footnotes at end of table.

Table 43 (page 2 of 2). Death rates for human immunodeficiency virus (HIV) disease, according to sex, race, Hispanic origin, and age: United States, selected years 1987–99

[Data are based on the National Vital Statistics System]

Sex, race, Hispanic origin, and age	1987	1990	1993	1994	1995	1996	1997	1998	Comparability modified 1998 ¹	1999 ²
Age 25–44 years										
Deaths per 100,000 resident population										
All persons	12.7	23.2	32.9	36.7	36.9	25.9	13.2	10.4	11.9	10.8
White male	19.2	35.0	45.5	48.4	46.9	29.6	13.2	9.9	11.3	10.1
Black male	60.2	102.0	155.3	178.0	182.0	139.1	76.7	59.4	68.0	60.7
American Indian or Alaska Native male	*	7.7	20.9	23.6	31.3	18.4	10.7	8.7	10.0	10.8
Asian or Pacific Islander male	4.1	8.1	10.8	13.8	12.8	8.1	3.6	2.6	3.0	2.6
Hispanic male ³	36.8	59.3	71.0	78.0	78.9	50.5	24.9	18.9	21.6	19.1
White, non-Hispanic male ³	23.3	31.6	40.2	43.4	41.5	25.8	11.0	8.2	9.4	8.3
White female	1.2	2.3	4.4	5.5	6.0	4.4	2.4	1.8	2.1	2.2
Black female	11.6	23.6	40.4	49.8	54.5	46.6	29.3	26.1	29.9	27.2
American Indian or Alaska Native female	*	*	*	*	*	*	*	*	*	*
Asian or Pacific Islander female	*	*	1.2	1.5	1.2	*	*	*	*	*
Hispanic female ³	4.9	8.9	14.2	17.3	18.0	12.8	6.7	5.0	5.7	5.8
White, non-Hispanic female ³	1.0	1.5	2.9	3.9	4.2	3.1	1.7	1.3	1.5	1.6
Age 45–64 years										
All persons	5.8	11.1	16.8	19.3	20.1	15.0	8.3	7.2	8.2	8.5
White male	9.9	18.6	24.7	26.4	26.3	17.4	8.0	6.8	7.8	8.0
Black male	27.3	53.0	101.2	127.1	136.6	114.1	71.8	63.5	72.7	74.2
American Indian or Alaska Native male	*	*	*	*	*	*	*	*	*	*
Asian or Pacific Islander male	*	6.5	9.2	10.6	9.5	8.2	2.4	2.5	2.9	2.4
Hispanic male ³	25.8	37.9	52.2	69.2	67.1	48.8	24.7	18.5	21.2	21.4
White, non-Hispanic male ³	12.6	16.9	21.5	22.6	22.6	14.3	6.4	5.5	6.3	6.5
White female	0.5	0.9	1.8	2.1	2.4	1.9	1.1	0.9	1.0	1.2
Black female	2.6	7.5	16.5	24.1	27.2	24.4	17.6	15.5	17.7	18.8
American Indian or Alaska Native female	*	*	*	*	*	*	*	*	*	*
Asian or Pacific Islander female	*	*	*	*	*	*	*	*	*	*
Hispanic female ³	*	3.1	8.2	9.9	12.4	9.7	5.3	4.9	5.6	5.0
White, non-Hispanic female ³	0.5	0.7	1.1	1.4	1.5	1.2	0.7	0.5	0.6	0.8

* Based on fewer than 20 deaths.

¹Calculated by multiplying the 1998 rate by its comparability ratio to adjust for differences between ICD-9 and ICD-10. See Appendix II, Comparability ratio and table VI.

²Starting with 1999 data, cause of death is coded according to ICD-10. To estimate change between 1998 and 1999, compare the 1999 rate with the comparability-modified rate for 1998. See Appendix II, Comparability ratio and tables V and VI.

³Data shown only for States with an Hispanic-origin item on their death certificates. See Appendix I, National Vital Statistics System.

NOTES: Age-adjusted rates for all years differ from those shown in previous editions of *Health, United States*. Age-adjusted rates are calculated using the year 2000 standard population starting with *Health, United States, 2001*. See Appendix II, Age adjustment. Categories for the coding and classification of human immunodeficiency virus (HIV) disease were introduced in the United States in 1987. See Appendix II, tables IV and V. Age groups were selected to minimize the presentation of unstable age-specific death rates based on small numbers of deaths and for consistency among comparison groups. The race groups, white, black, Asian or Pacific Islander, and American Indian or Alaska Native, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Bias in death rates results from inconsistent race identification between the death certificate (source of data for numerator of death rates) and data from the Census Bureau (denominator); and from undercounts of some population groups in the census. The net effects of misclassification and under coverage result in death rates estimated to be overstated by 1 percent for the white population and 5 percent for the black population; and death rates estimated to be understated by 21 percent for American Indians, 11 percent for Asians, and 2 percent for Hispanics (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. *Vital Health Stat* 2(128), 1999). Some rates for Hispanic and non-Hispanic white for 1987–89, 1991 were revised and differ from the previous edition of *Health, United States*. Data for additional years are available (see Appendix III).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics. *Vital statistics of the United States, vol II, mortality, part A*, for data years 1987–93. Public Health Service. Washington: U.S. Government Printing Office; for 1994–99, data for all persons, white, and black are available on the NCHS Web site at www.cdc.gov/nchs/datawh/statab/unpubd/mortabs.htm; numerator data from National Vital Statistics System, annual mortality files; denominator data from national population estimates for race groups from table 1 and unpublished Hispanic population estimates prepared by the Housing and Household Economic Statistics Division, U.S. Bureau of the Census. Hoyert DL, Smith BL, Arias E, Murphy SL. Deaths: Final data for 1999. National vital statistics reports. vol 49 no 8. Hyattsville, Maryland: National Center for Health Statistics. 2001.